

ZIRCONIA EXTRUDATES

ABSTRACT

- 5 A process for preparing a calcined zirconia  
extrudate comprising the steps of:
- a. preparing a shapable dough which comprises  
mixing and kneading a particulate zirconia with  
a solvent to obtain a mixture having a total  
solids content of from about 50% to about 85%  
10 by weight,
  - b. extruding the shapable dough to form a zirconia  
extrudate, and
  - c. drying and calcining the zirconia extrudate;  
characterized in that the particulate zirconia comprises  
15 no more than about 15% by weight of zirconia which is  
other than monoclinic zirconia.

The calcined zirconium extrudates prepared according  
to the present invention exhibit significantly improved  
crush strength and is suitable as a catalyst or catalyst  
20 support in a wide range of chemical processes.